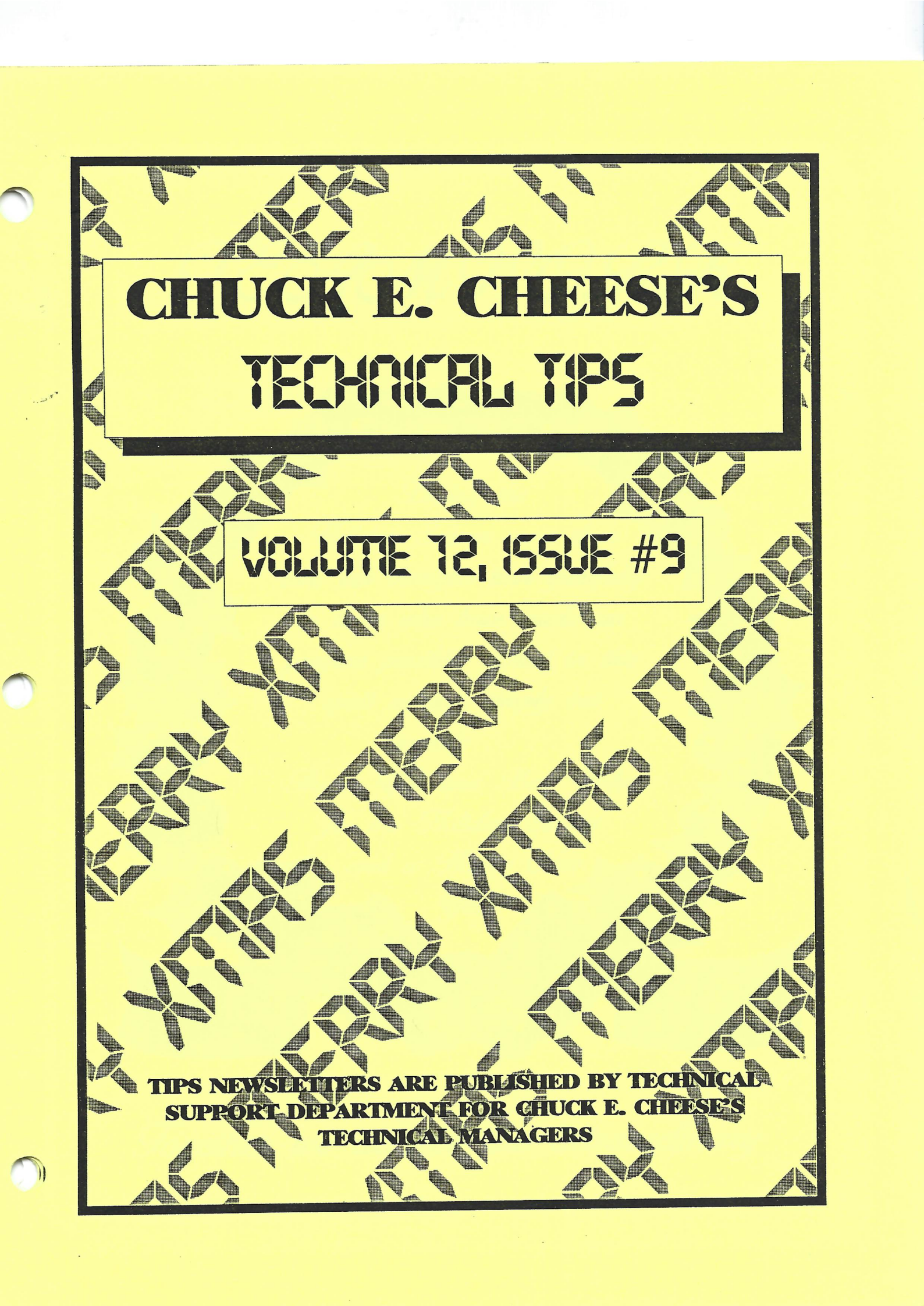




CHUCK E. CHEESE'S TECHNICAL TIPS

VOLUME 12, ISSUE #9

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SUPPORT DEPARTMENT FOR CHUCK E. CHEESE'S
TECHNICAL MANAGERS**

TEAMWORK



Together we achieve the extraordinary

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WHAT'S HAPPENING IN THE WORLD OF PARTS

PARTS BIGGEST SALE OF THE YEAR

EXIDY 4 X 4 PARTS FOR SALE

GEXD-0006	4 X 4 MOTORS	51.75
GEXD-0007	4 X 4 HOOD PLEXIGLASS	109.25
GEXD-0008	4 X 4 MARQUEE	172.50
GEXD-0009	LIGHT CONTROLLER	86.25
GEXD-0010	TRANSMITTER	3.50
GEXD-0011	EMITTER	3.50
GEXD-0012	BALL KICKER ASSY	40.25

DIGGERS PRIZE PARTS FOR SALE

GCRO-010-014	CONVEYOR MOTOR 40RPM	222.04
GCRO-100-047	60W 240V LAMP D/PRIZE	2.98
GCRO-100-050	4-80W STARTER D/PRIZE	1.44
GCRO-130-162	2 DIGIT DISPLAY D/PRIZE	37.61
GCRO-130-204	BALL SENSOR D/PRIZE	110.87
GCRO-130-240	ARM SENSOR D/PRIZE	37.74
GCRO-130-255	MAIN LOGIC BOARD D/PRIZE	303.60
GCRO-130-266	SOUND PC BOARD D/PRIZE	154.73
GCRO-130-267	STEP MOTOR PCB D/PRIZE	74.06
GCRO-130-285	PUSHBUTTON ASSY D/PRIZE	7.03
GCRO-200-002	RECEIVER BALL D/PRIZE	36.97
GCRO-200-003	FILTER GAUGE D/PRIZE	13.25
GCRO-200-004	ELBOW ADAPTER D/PRIZE	3.22
GCRO-200-005	24V VALVE	108.55
GCRO-200-006	BASE MANIFOLD D/PRIZE	93.31
GCRO-200-008	BULKHEAD FITTING D/PRIZE	3.86

DIGGERS PRIZE PARTS FOR SALE CONT.

GCRO-200-009	CYLINDER C/10DE-0040	36.18
GCRO-200-012	BANJO BODY 4MM D/PRIZE	3.22
GCRO-200-013	BANJO BOLT M5 D/PRIZE	5.63
GCRO-200-014	MINI CYLINDER C/25DEO125	81.39
GCRO-200-015	MINI CYLINDER C/25DEO0050	52.90
GCRO-200-017	BANJO RESTRICTOR 1/8"	31.74
GCRO-200-018	HOSE PNEUMATIC D/PRIZE	1.05
GCRO-200-020	SWIVEL ELBOW 1/4 X 4MM	3.86
GCRO-200-028	VALVE MX15-616M	150.77
GCRO-75-0578	CONVEYOR BELT D/PRIZE	92.58



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JANUARY '96 TAPES

All locations should have received both the January '96 and January '96 LIVE tapes. The play date for the January '96 showtape is December 26th - April 22nd and the January '96 LIVE tape is a generic. If your location has not received these two tapes, please contact Ken Price at ext. 5554.

VCR HEAD CLEANING

All locations should have a VCR head cleaning kit for the show VCR (JVC BR7000). The only head cleaning kit used should be purchased through the Parts Department (Part #CS-0014). **DO NOT USE THE POP IN TAPE HEAD CLEANERS!** Since we use a very high quality VCR tape for our shows, you should not need to clean the heads unless recommended by Technical Support. Also, avoid playing any low grade tapes, as this prolongs the life of the heads.

ADVANCE REPLACEMENT SERVICES

When you order an advance replacement board or piece of equipment, remember that this is a service to you. It was established for your benefit. It is provided at a cost to the vendor supplying you the part. When an

advance replacement is sent to you, please remember that they will need the defective part back as soon as possible. Most companies will have their grace period in writing as to how much time you have to return their part. If you do not return the part in that amount of time, you will usually be billed the full cost of the part in question. Please make every effort to return the part in the designated time frame. If a company does not receive the parts back in a timely fashion, it may cost us the benefit of this service. Your co-operation in this matter is greatly appreciated. Thank you.

SHOW COMPRESSOR REMINDER

With winter here, make sure that you have changed the oil in the compressor to 30W non-detergent for easy starts.

If the temperature in your area drops below freezing and you have an outside compressor room, it would be a good idea to invest in a portable heater. Take the heater to the compressor room a few hours before start up to allow the room temperature to come up. After the compressor has been started, the heat generated from the compressor should keep the room warmer; this prolongs the life of the compressor motor.

CALIBRATING YOUR SYMETRIX

Before you begin...

You must have a sound level meter. We recommend a Radio Shack Realistic sound meter, Catalogue #332-2050. Also available through the Parts Department (part # SM-0001). Set your meter to "C" weighing and "slow" response.

There should also be no one in the Showroom while you are calibrating, with the exception of one assistant.

Next...

Set your Showroom AMPs to 75% on and mark the settings. If you have a Bose Sound System, set your Bose speaker channel to 7 and your sub base channel to 5. You are now ready to begin calibration.

Put in a showtape. During the back ground segment of your tape is when you should calibrate. Have your assistant stand by in the middle of your Showroom with the sound level meter (under your sense mic(s)). Holding the meter parallel to the ground, bring the meter to chest level and set the range to 70.

Next...

Press the MODE button on your symetrix once. You may now adjust your minimum level with the minimum control potentiometer. Set this to 75 db. Have your assistant use hand signals, "thumbs up" for higher or "thumbs down" for lower. The meter should read in between +4 and +6 db with it set on the 70 db range.

The symetrix will read your final setting for eight (8) seconds then it will switch to the maximum setting. Quickly have your assistant set the range on the meter to 90 db. Using the maximum control potentiometer, set your maximum setting to 95 db. Again the sound level meter should be reading in between +4 and +6 db with the range at 90 db. After eight (8) seconds of your final setting, the symetrix will return to normal operation. If you are unable to reach the 75 db and 95 db settings, you may have to change the gain on the showroom AMP.

HELPFUL HINTS

- Do not yell or talk during the calibration process.
- Make sure you don't go into calibration mode during the end of a song. The symetrix must have an audio signal at all times during calibration or it will go into an error mode.
- Once your symetrix is calibrated properly, do not change the gain on the amplifiers. This will throw

off your calibration.

- When you press the MODE button once and go into calibrate mode, the symetrix ignores the setting of your remote gain pot (50k). Once calibration is complete, the symetrix will then recognize your remote volume control.

SETTING THE GAME ROOM SOUND LEVELS

SETTING THE BACK GROUND MUSIC...

Make sure there is no one in the game room making noise or playing games when setting the background music in your game room. You will again need an assistant and a sound level meter.

Set your meter to "C" weighing and "Slow" response.

Next...

Set your meter to the 70 db range, play a Show Tape and stand in the middle of your Kiddie Room. Using hand signals, set your background music to 72 db. The meter should read +2 when set to the 70 db range.

Set your Skills Room the same way. Once you set your background music to 72 db in both rooms, mark the settings on your amplifier, you should not have to change this setting.

The background music on your Show Tape is recorded at a consistent level, it does not increase when a show starts. Make sure your background music always remains at 72 db.

SETTING YOUR GAMES AND RIDES SOUND LEVELS

When setting individual game sound levels, it is important to only set one game at a time with all other sounds in the restaurant off. The best time to do this is in the morning.

SKILL GAMES AND VIDEO GAMES...

When setting these games, you will need to stand in front of the game as if you are playing it. Holding your meter parallel to the ground, set the range to 70 db; "C" weighing and "Slow" response.

When the game is being played, you should read between +2 and +5 db, when set to the 70 db range.

Since some game sounds are louder than others, you should use +5 db as the max.

KIDDIE RIDES...

Use the same settings as before but stand outside of the rides. Some games and rides have two or more volume controls so be sure we set

them as close as you can to 72 db to 75 db as possible.

HELPFUL HINTS...

- All attract modes should be turned off.
- Skeeballs should not have audio at all

INPUT TO TIPS

Attached, please find an Input to Tips form that should be used when sending information to the Tech Tips publication. If we use the information sent, your name will appear on the contributors list towards the front of the publication.

CHRISTMAS NEWS



Don't forget to buy Chuck E. a Christmas present through the Parts Department, ordering is made easy. New Chuck E. hands make a big difference and are only \$28.75 or refurb those shoes for \$40.00. Remember, it's your responsibility to

give Chuck E. that confident, sharp dressed look. We'll have some exciting new costumes and procedures available in '96 so be looking for that information in the newsletters in the coming months.

MIDDLEBY MARSHALL JS-250

The JS-250 has been around for a long time, a real long time. I think we can all agree that it has served its purpose well. Unfortunately, parts for this oven is becoming less and less readily available. Knowing this, it would be well worth having spare parts at our locations in case of an emergency. Below, please find a list of recommended spare parts. Also, if you're not sure who your local Middleby Marshall distributor is, please contact Frank Khoshgam in the **Technical Support Department** at 214-258-5445.

<u>PART #</u>	<u>DESCRIPTION</u>
DC2003	Universal Digital Controller (Temperature Controller)
28091-0017	Solenoid Valve
27381-0015 Grainger 5K922	Blower Motor
27384-0003	Conveyor Drive Gear Motor
27381-0010	Burner Blower Motor
22450-0020	Burner Control Board

28023-0003 Grainger 2E462	Air Switch
22450-0052	Set Of Conveyor Drive Gear Motor Brushes
48019-0027	Thermocouple
27141-0003	Burner Electrode Assembly
	Speed Control (Black)
22450-0059	Burner Blower Motor Mounting Grommets
46549/46550 Grainger 4C549	Cooling Fan
46552 Grainger 4C552	Fan Cord
22181-0006 Grainger 5L320	Blower Belt

EXCHANGE ITEMS

Attached, please find lists of exchange items available through the Parts Department. For your convenience, the part numbers have been provided.

INPUT TO TIPS

Name:

Location:

Telephone #:

Problem:

Recommended Fix:

Parts/Materials/Supplier/Cost:

**Please attach schematics, drawings,
pictures appropriate.**

R12 STAGE EXCHANGE PARTS AVAILABLE

ITEM #	DESCRIPTION	PRICE
X00-0001-10	JVC TAPE PLAYER EXCHANGE	REPAIR COST
X00-0053-90	CONTROL CONSOLE MAIN EXCHANGE	REPAIR COST
X00-0054-01	CONTROL CONSOLE REMOTE EXCHANGE	REPAIR COST
X00-0292-90	CROWN AMP EXCHANGE	REPAIR COST
X00-0293-90	CROWN CROSSOVER EXCHANGE	REPAIR COST
X00-0297-90	TEAC X-7 TAPE DECK EXCHANGE	REPAIR COST
X05-0002-70	LCD DISPLAY BOARD	REPAIR COST
X05-0002-90	CPU EXCHANGE (1994 & LATER)	REPAIR COST
X05-0076-10	CEC MAIN CONTROL PCB EXCHANGE	REPAIR COST
X05-0077-10	CEC REMOTE CONTROL PCB EXCHANGE	REPAIR COST
X05-0078-10	A/V CARD TO CHAR CARD CONV.	REPAIR COST
X06-0001-90	CPU PCB ASSY EXCHANGE	REPAIR COST
X06-0003-90	COMMUNICATION BOARD EXCHANGE	REPAIR COST
X06-0004-90	CHAR DRIVER ASSY EXCHANGE	REPAIR COST
X06-0005-90	A/V SWITCHER CARD	REPAIR COST
X06-0006-90	CARD CAGE EXCHANGE	REPAIR COST
X06-0020-90	TRANSPORT CONTROL ASSY EXCHANGE	REPAIR COST
X06-0021-90	LIGHT DRIVER ASSEMBLY EXCHANGE	REPAIR COST
X06-0054-80	A/V SWITCHER EXCHANGE	REPAIR COST
X06-0060-90	MASTER SYMETRIX 571 EXCHANGE	REPAIR COST
X06-0065-90	BOSE CONTROLLER EXCHANGE	REPAIR COST
X06-1005-60	SOLENOID BOARD EXCHANGE	REPAIR COST

All parts listed are charged the cost of parts needed for the repair and the labor used.

If you would like to place an order for any of the above listed items, please contact the Parts Department to place an order.

If there are any electronic parts not listed that you may have any questions on, please call 214-258-5428 (Electronic Repairs Center).

12-14-95

GAMES EXCHANGE ITEMS

ITEM#	DESCRIPTION	PRICE
GSB-0002	SUPERBALL POWER SUPPLY	REPAIR COST
GSB-0001	SUPERBALL CPU	REPAIR COST
GCET-0002	CEC PHONE CPU	REPAIR COST
GCRO-0008	CEC GOLD RUSH CPU	REPAIR COST
GCRO-0027	CEC GOLD RUSH SOUND BOX	REPAIR COST
GCRO-0017	CEC GOLD RUSH SCORE DISPLAY	REPAIR COST
FB-0001-X	FROGBALL CPU	REPAIR COST
FB-0029	FROGBALL SOUND BOARD	REPAIR COST
FS-0015	FROGSONG CPU	REPAIR COST
BAF-0001	DRAKKON TIMER BOX	REPAIR COST
BAF-0002	DRAKKON HYDRAULIC CONTROL BOX	REPAIR COST

All Jolly Roger kiddie rides timer control boxes (see Games Parts Price List for part numbers).

All Amutec kiddie rides timer control boxes (see Games Parts Price List for part numbers).

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